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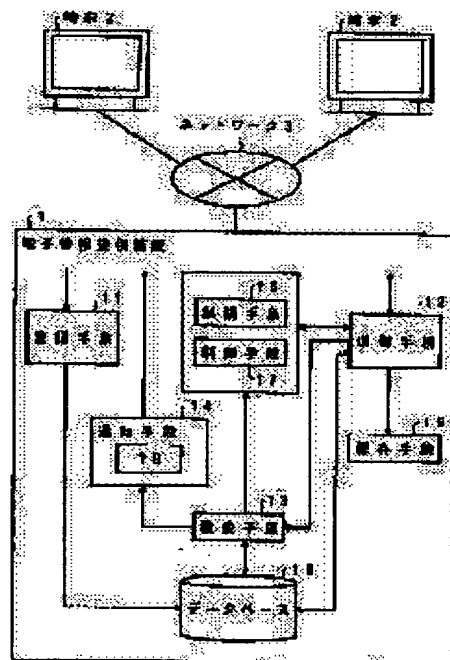
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(54) ELECTRONIC INFORMATION PROVIDING DEVICE AND PROGRAM STORAGE MEDIUM

(57)Abstract

PROBLEM TO BE SOLVED: To allow a side which refers to user information and a side which has the information referred to have a two-way communication by informing the user which has the referenced user information of user information retrieved by a retrieving means through a terminal.

SOLUTION: When a terminal 2 issues a request to refer to user information, the electronic information providing device 1 retrieves the user information requested to be referred to which is registered in a data base 10 and sends it to the terminal 2 by a transmitting means 12 to provide the user information requested to be referred to for the user at the reference request issue source. At this time, the retrieving means 13 retrieves the user information that the user at the reference request issue source registered in the data base 10 and an informing means 14 informs the user information which is referred to of the retrieved information through the terminal 2. A registering means 11 interacts with the user who registers the user information to set whether data is allowed or disallowed to be made open as to data which can be set among data that the registered user information has, thereby registering the user information in the data base 10.



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CLAIMS

[Claim(s)]

[Claim 1] While connecting with a terminal through a network, when a registration demand of user information is published from the database holding user information, and a terminal A registration means to register this user information into this database, and when a reference demand of user information is published from a terminal In electronic intelligence offer equipment equipped with a transmitting means to retrieve the user information on the reference demand registered into this database, and to transmit to this terminal A retrieval means to retrieve the user information which the user of the reference demand issue origin registered into the above-mentioned database has when a reference demand of user information is published from a terminal, Electronic intelligence offer equipment characterized by having a notice means to notify a user with the user information referred to through the terminal in the user information which the above-mentioned retrieval means retrieves.

[Claim 2] It is electronic intelligence offer equipment characterized by registering this user information into a database, setting up this authorization and disapproval about the data with which a setup of open authorization and disapproval is attained among the data which the user information which registers a registration means in electronic intelligence offer equipment according to claim 1 has.

[Claim 3] It is electronic-intelligence offer equipment carry out it being prepared as that whose reference is attained in electronic-intelligence offer equipment according to claim 1 or 2 on condition that a notice means is the reference demand from a user referred to, and consisting of preservation means copy and save the user information which the user of the reference demand issue origin which the retrieval means searched has as the description.

[Claim 4] It is electronic-intelligence offer equipment carried out [it being prepared as that whose reference is attained in electronic-intelligence offer equipment according to claim 1 or 2 on condition that a notice means is the reference demand from a user referred to, and consisting of preservation means save the pointer information to the user information which the user of the reference demand issue origin which the retrieval means searched has, and] as the description.

[Claim 5] Electronic intelligence offer equipment characterized by being prepared in claim 1 thru/or electronic intelligence offer equipment given in four as that whose reference is attained on condition that it is the reference demand from the user of reference demand issue origin, and equipping a transmitting means with a preservation means to copy and save the user information transmitted to this user.

[Claim 6] Electronic intelligence offer equipment characterized by being prepared in claim 1 thru/or electronic intelligence offer equipment given in four as that whose reference is attained on condition that it is the reference demand from the user of reference demand issue origin, and equipping a transmitting means with a preservation means to save the pointer information to the user information transmitted to this user.

[Claim 7] Electronic intelligence offer equipment characterized by having a limit means to restrict a reference demand of user information in claim 1 thru/or electronic intelligence offer equipment given in six when a retrieval means cannot retrieve user information.

[Claim 8] Electronic intelligence offer equipment characterized by having the control means which restricts a part of user information of which this user is notified when the contents of data of the user information which the user of reference demand issue origin has, and the user information of which this user is notified are not in agreement in claim 1 thru/or electronic intelligence offer equipment given in seven.

[Claim 9] While connecting with a terminal through a network, when a registration demand of user information is published from the database holding user information, and a terminal A registration means to register this user information into this database, and when a reference demand of user information is published from a terminal It is the program storage with which the program which realizes electronic intelligence offer equipment equipped with a transmitting means to retrieve the user information on the reference demand registered into this database, and to transmit to this terminal is memorized. A retrieval means to retrieve the user information which the user of the reference demand issue origin registered into the above-mentioned database has when a reference demand of user information is published from a terminal, The program storage characterized by memorizing the program which realizes a notice means to notify a user with the user information referred to through the terminal in the user information which the above-mentioned retrieval means retrieves.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the electronic intelligence offer equipment with which the side referred to [that refers to user information especially and] enables it to realize bidirectional communication, and the program storage which realizes it about the electronic intelligence offer equipment which provides a terminal with user information through a network, and the program storage which realizes it.

[0002] In recent years, computer networks, such as personal computer communications and the Internet, have spread quickly, and there is an electronic bulletin board as one of the typical services on the network. In order to make this electronic bulletin board still more effective, it is necessary to build the new configuration as for which communication between users is made to be made to a dense thing.

[0003]

[Description of the Prior Art] Communication between users is aimed at by an electronic bulletin board carrying a user's message and other users enabling it to refer to it.

[0004] When taking this configuration, the user who is interested in the carried message will contact to a printing person's user using means of communications, such as an electronic mail, and communication between users will be achieved by this.

[0005] It was, when taking this configuration, even if it might take the configuration which notifies other users' reaction to the user who carried the message by preparing the counter which carries out counting of the count of reference to the carried message at most in the conventional electronic bulletin board, the other processing was not performed, but the configuration of realizing the function of only a notice plate was taken to the last.

[0006]

[Problem(s) to be Solved by the Invention] However, when such a conventional technique was followed, the user who carried the message had from the partner the trouble that it could not know who referred to the message, as long as there was no communication using an electronic mail etc.

[0007] When it is going to become getting to know each other with other users by, for example, putting up a self-introductory note for an electronic bulletin board although there is especially no problem with such a conventional technique when searching to an electronic bulletin board and putting up messages, such as an object, the user who carried the self-introductory note is that there are no means which get to know the user who referred to it, and can completely take the user and communication.

[0008] Originally, a computer network has the function of bidirection and communication between users is also bidirectional. However, the conventional electronic bulletin board demonstrated only the function as a mere notice plate, without employing the original features which a computer network called the bidirection which becomes common with communication between users has efficiently.

[0009] This invention is made in view of this situation, and aims at offer of the new electronic intelligence offer equipment with which the side referred to [that refers to user information and] enables it to realize bidirectional communication, and offer of the program storage which memorizes the program which realizes it.

[0010]

[Means for Solving the Problem] The principle configuration of this invention is illustrated to drawing 1 . The electronic intelligence offer equipment with which one possesses this invention, two or more terminals by which 2 is connected to electronic intelligence offer equipment 1, and 3 are networks which connect electronic intelligence offer equipment 1 and a terminal 2 among drawing.

[0011] Through a terminal 2, the electronic intelligence offer equipment 1 of this invention provides a user with the user information which other users have, and equips him with a database 10, the registration means 11, the transmitting means 12, the retrieval means 13, the notice means 14, the preservation means 15, the limit means 16, and a control means 17.

[0012] This database 10 manages the user information which the user using a terminal 2 has. The registration means 11 registers the user information into a database 10, when a registration demand of user information is published from a terminal 2.

[0013] When a reference demand of user information is published from a terminal 2, the transmitting means 12 retrieves the user information on the reference demand registered into a database 10, and is transmitted. The retrieval means 13 retrieves the user information which the user of the reference demand issue origin registered into a database 10 has, when a reference demand of user information is published from a terminal 2.

[0014] It is prepared as that whose reference is attained on condition that the notice means 14 is the reference demand from a user referred to, for example. Copy and save the user information which the user of the reference demand issue origin which the retrieval means 13 searched has, or consist of preservation means 18 to save the pointer information to the user information, and a terminal 2 is minded for the user information which the retrieval means 13 retrieved. A user with the user information referred to is notified.

[0015] It is prepared as that whose reference is attained on condition that the preservation means 15 is the reference demand from the user of reference demand issue origin, and the transmitting means 12 copies the user information transmitted to the user, and it saves, or the pointer information to the user information is saved. The limit means 16 restricts a reference demand of user information. A control means 17 restricts a part of user information of which the user of reference demand issue origin is notified.

[0016] Here, it realizes by the program, and the user information offer function which the electronic intelligence offer equipment 1 of this invention has is this program's being memorized by the floppy disk etc., or being memorized by disks, such as a server, etc., being installed in electronic intelligence offer equipment 1 from them, and operating on memory, and will specifically realize this invention.

[0017] Thus, with the electronic intelligence offer equipment 1 of this invention constituted, if a reference demand of user information is published from a terminal 2, the transmitting means 12 will be retrieving the user information on the reference demand registered into a database 10, and transmitting to a terminal 2, and will provide the user of reference demand issue origin with the user information on a reference demand. At this time, the retrieval means 13 retrieves the user information which the user of the reference demand issue origin registered into a database 10 has, and, in response, notifies a user with the user information referred to through the terminal 2 in that retrieved user information of the notice means 14.

[0018] When taking this configuration, the registration means 11 is conversing with the user who registers user information, and user information is registered into a database 10, setting up authorization and disapproval about the data with which a setup of open authorization and disapproval is attained among the data which the user information to register has. A user comes to be able to do it secretly thereby about the data which be not referred to to other users among their user information.

[0019] Moreover, it is prepared as that whose reference is attained on condition that it is the reference demand from the user of reference demand issue origin. Since the transmitting means 12 copies the user information transmitted to the user, and it saves or a preservation means 15 to save the pointer information to the user information is prepared, it can be managed by him even if the user of reference demand issue origin does not save the user information referred to in his place. And when the preservation means 15 copies and saves user information, while the user information at the time of referring to can come to hand, when saving the pointer information to user information, the newest user information updated after referring to can come to hand.

[0020] Moreover, the limit means 16 restricts the reference demand which the user of reference demand issue origin demands, when the retrieval means 13 cannot retrieve user information (i.e., when the user information which the user of reference demand issue origin has is not registered into a database 10). Thereby, a one-sided reference demand can be eliminated now.

[0021] Moreover, when the contents of data of a control means 17 of the user information which the user of the reference demand issue origin searched by the retrieval means 13 has, and the user information of which the user of the reference demand issue origin searched by the transmitting means 12 is notified do not correspond. For example, when both user information is not in agreement, a part of user information of which the user of reference demand issue origin is notified is restricted because the contents of a setting of the authorization and the disapproval of public presentation of both users differ. Thereby, an unfair reference demand can be eliminated now.

[0022] Thus, with the electronic intelligence offer equipment 1 of this invention, since the user information which the user who referred to has will be notified to the user referred to when a user refers to the user information which other users have, communication bidirectional between the sides referred to [that refer to user information and] can be realized.

[0023]

[Embodiment of the Invention] Hereafter, this invention is explained to a detail according to the gestalt of operation. One example of this invention is illustrated to drawing 2.

[0024] 20 are a server possessing this invention among drawing, what offers other users' card data to a user, and 2 are two or more terminals connected to a server 20, and the thing used as dialogue equipment with a user and 3 are networks, such as the Internet which connects a server 201 and a terminal 2.

[0025] A server 20 is equipped with the information maintenance device 22 in which the card database 21 which manages a user's card data, and the card database 21 are managed in order to realize this invention, the authentication device 23 in which authentication processing of a user is performed, the registration device 24 that creates card data in conversing with a user, and is registered into the card database 21, and the reference device 25 in which answer a reference demand from a user and the card database 21 is referred to.

[0026] Here, it realizes by the program, and each of these devices are this program's being memorized by the floppy disk etc., or being memorized by disks, such as a server, etc., being installed in a server 20 from them, and operating on memory, and will specifically realize this invention.

[0027] An example of the card data registered into the card database 21 by drawing 3 is illustrated. As shown in this drawing, the card data registered into the card database 21 are the information used as self-introduction of a user, and they introduce a user's individual humanity news, an image data etc. being used for them.

[0028] One example of the processing flow which the reference device 25 performs to one example of the processing flow which the registration device 24 performs to one example of the processing flow which the authentication device 23 performs to drawing 4, and drawing 5, and drawing 6 is illustrated. Next, according to these processing flows, processing of the example constituted like drawing 2 of operation is explained to a detail.

[0029] First, the processing which the authentication device 23 performs is explained. When the registration demand of card data is published from the user who operates a terminal 2, as it is shown in the processing flow of drawing 4 (a), first, the authentication device 23 is step 1, is confirming whether to be that it is in agreement with that into which ID and the password which a user enters, the member number, etc. are registered beforehand, and performs authentication processing of a user. Here, this authentication processing may be performed by requesting another server which is not illustrated.

[0030] Then, when the user who has published the registration demand of card data at step 2 according to the authentication processing performed at step 1 judges whether it is the user of normal and judges that he is the user of normal, it progresses to step 3 and the registration device 24 is started, processing ends, when judging that he is not the user of normal, a registration demand ignores, and processing ends as it is.

[0031] Thus, when the registration demand of card data is published from the user who operates a terminal 2, the authentication device 23 is processed so that the registration device 24 may be started, on condition that it is the user of normal.

[0032] Moreover, when the reference demand of card data is published from the user who operates a terminal 2, as it is shown in the processing flow of drawing 4 (b), first, the authentication device 23 is step 1, is confirm whether to are that it is in agreement with that into which ID and the password which a user enters, the member number, etc. are registered beforehand, and performs authentication processing of a user.

[0033] Then, when the user who has published the reference demand of card data at step 2 according to the authentication processing performed at step 1 judges whether it is the user of normal and judges that he is not the user of normal, a reference demand is disregarded and processing is ended as it is.

[0034] On the other hand, when judging that he is the user of normal When progressing to step 3, judging whether it is that the card data of the user of the reference demand issue origin are registered into the card database 21 and judging being registered When progress to step 4, the reference device 25 is started, processing is ended and it judges not being registered, a reference demand is disregarded and processing is ended as it is.

[0035] Thus, when the reference demand of card data is published from the user who operates a terminal 2, the authentication device 23 is the user of normal, and it is processed so that the reference device 25 may be started, on condition that the user's card data are registered into the card database 21.

[0036] Next, the processing which the registration device 24 performs is explained. If started from the authentication device 23 according to the processing flow of drawing 4 (a), as shown in the processing flow of drawing 5, first, the registration device 24 is step 1, will establish the registration screen of card data to a terminal 2, and will input the card data which have a registration demand by receiving the card data inputted into the registration screen.

[0037] The registration screen of the card data established at this time consists of entries of the data which constitute card data, and consists of a registration screen of the data surely exhibited as shown in drawing 7, and a registration screen of the data with which a user can choose public presentation/secret one as shown in drawing 8. Here, as shown in the registration screen of drawing 7, a user's portrait will be inputted by specifying the parts of the face part prepared beforehand. Moreover, as shown in the registration screen of drawing 8, public presentation/secret one will be set up by the setup key.

[0038] In addition, there are data which become indispensable [registering with card data, although this registration screen has not indicated], and data with which registering becomes arbitrary, and there are the data which are surely exhibited in addition to this, the data which are not surely exhibited, and the data with which a user can choose public presentation/secret one. For example, the "credit card number" which is needed for accounting is secret data by indispensable data, and an "occupation" is data with selectable public presentation/secret one by arbitration data.

[0039] From now on, on these registration screens, although not illustrated, which data can distinguish the data which serve as public presentation/secret one unconditionally by indispensable data according to the existence of a setup key while it is specified that which data are arbitration data, and the data with which a user can choose public presentation/secret one.

[0040] Thus, if the card data which have a registration demand according to a registration screen are inputted, when judging the registration device 24 continuing, judging whether it is that all the indispensable data that are step 2 and card data have are inputted, and not being inputted, it progresses to step 10, and a registration demand ignores and processing ends, without registering the card data of a registration demand it is to the card database 21.

[0041] It judges which value on the other hand, when judging that all the indispensable data that card data have are inputted at step 2, the open need for the selected data is at step 4 which progresses to step 3, chooses one data which card data have, and continues. When you make into public information the data progressed and chosen as step 6 when the value of open need showed "it is indispensable" according to this decision processing and "it is improper" is shown, let the data progressed and chosen as step 7 be secret information.

[0042] On the other hand, when the value of open need shows "arbitration" When judging that progressed to step 5 and secret was chosen [whether public presentation was chosen by the user and], and checked ** and public presentation was chosen The data progressed and chosen as step 6 are made into public information, and when you

judge that secret was chosen, let the data progressed and chosen as step 7 be secret information.

[0043] After ending processing of step 6/step 7, when progressing to step 8, judging whether it is that selection of all the data that card data have was completed, judging having not ended and judging return and having ended to step 3, it progresses to step 9, card data with a registration demand are registered into the card database 21, and processing is ended.

[0044] Thus, the registration device 24 is processed so that it may register setting up whether it is exhibiting then each data which card data's have, while registering into the card database 21 the card data which have a registration demand a condition [all the indispensable data that card data have being inputted], if the registration demand of card data is published from the user who operates a terminal 2. The processing shown in ** of drawing 2 expresses this registration processing.

[0045] Although the processing flow of this drawing 5 did not explain, the card data registered into the card database 21 are divided and managed by some event groups. As shown in drawing 9, for example, "the person who likes a dog" and "those who like a cat", The event group "who is easy to fish" and who said is prepared. "under boyfriend collection" — " — her — under collection — " — a user When publishing the registration demand of card data, it will be specified into which event group the card data which he registers are registered (specifying after registration is also possible).

[0046] As for the reference device 25, what kind of event group is prepared in response to this in vent group. While displaying the display screen which shows whether how many cards data are registered into those event groups as shown in drawing 9 on a terminal 2 When one event group is clicked from this inside, it will process so that the display screen which shows the outline of the card data belonging to that event group as shown in drawing 10 may be displayed on a terminal 2.

[0047] Moreover, a reference device 25 also has a retrieval function, retrieval conditions set up by displaying a retrieval screen as shown in drawing 11 which specifies retrieval conditions on a terminal 2, the card data which satisfy the retrieval condition search out of the card data registered into the card database 21, and it will process so that a retrieval result screen as shown in drawing 12 which shows the retrieval result may display to a terminal 2.

[0048] Next, in order to realize this invention, the processing which the reference device 25 performs is explained. If the reference device 25 is started from the authentication device 23 according to the processing flow of drawing 4 (b), as shown in the processing flow of drawing 6, first, it is step 1 and specifies card data with a reference demand.

[0049] There is this specific processing, when displaying the display screen shown in drawing 10, when carrying out by detecting the card data of that click place when a user clicks one of them, or displaying the retrieval result screen shown in drawing 12, there is, and when a user clicks one of them, it is performed by detecting the card data of that click place.

[0050] Then, the card data which have a reference demand by acquiring the card data specified at step 1 out of the card data registered into the card database 21 at step 2 are acquired.

[0051] Then, at step 3, only the public information of the card data acquired at step 2 is sorted out, and the user of reference demand issue origin is notified of it through a terminal 2. According to this notice processing, the user of reference demand issue origin can come to hand [the card data of the reference demand registered into the card database 21] now. Processing of ** of drawing 2 expresses this reference processing.

[0052] Then, the card data of the user of reference demand issue origin are acquired out of the card data registered into the card database 21 at step 4. This acquisition processing will be performed using ID which the user of reference demand issue origin has.

[0053] Then, only the public information of the card data acquired at step 4 is sorted out at step 5, an electronic mail (about the mail address, it registers beforehand as one of the card data) etc. is used, and the near user who had it referred to is notified through a terminal 2. Processing of ** of drawing 2 expresses this notice processing. According to this notice processing, the near user who had card data referred to can come to hand [the card data of the user who referred to his own card data] now.

[0054] Thus, if a user refers to other users' card data, the server 20 of this invention which shows an example to drawing 2 will be notifying the card data of the user who referred to to the user referred to, and will realize bidirectional communication.

[0055] In the processing flow of this drawing 6, although it is at that reference time and the configuration which notifies the card data of the user of that reference demand issue origin using an electronic mail etc. was taken to the user referred to when card data were referred to by the user of reference demand issue origin, it is at that reference time and it also happens that the user referred to is not operating the terminal 2.

[0056] In such a case, in order to cope with it, it is desirable to take an example as shown in drawing 13. That is, a configuration equipped with the card post file 26 which saves the card data of the user of reference demand issue origin other than card database 21 / information maintenance device 22 / authentication device 23 / registration device 24 / reference device 25 which it has in the example of drawing 2 according to a -ed reference user, and the information maintenance device 27 in which the card post file 26 is managed is taken.

[0057] The card data of the user of that reference demand issue origin are saved at the card post file 26, and if the reference device 25 notifies the user of reference demand issue origin of card data according to this configuration, as shown in ** of drawing 13, in response to this preservation processing, each user can refer to the card data of the user referred to its own card data by accessing to the card post file 26, as shown to ** of drawing 13. Since

the card post file 26 saves card data according to a -ed reference user at this time, he can refer to this card data, without being referred to at other users.

[0058] Moreover, in the processing flow of drawing 6 , when the reference demand of card data was published, the configuration which notifies the card data of a reference demand to the user of reference demand issue origin at that time was taken, but if the card data notified at this time are saved, it will become convenient for a user.

[0059] As shown in drawing 14 from now on, it is desirable in taking a configuration equipped with the card case file 28 which saves the card data of which the user of reference demand issue origin other than card database 21 / information maintenance device 22 / authentication device 23 / registration device 24 / reference device 25 which it has in the example of drawing 2 was notified according to a reference demand issue former user, and the information maintenance device 29 in which the card case file 28 is managed.

[0060] When the reference device 25 notifies the user of reference demand issue origin of card data according to processing of ** of drawing 14 according to this configuration As shown in ** of drawing 14 , that card data is saved at the card case file 28, and this preservation processing is received. Each user As shown in ** of drawing 14 , even if it does not save by itself by accessing the card case file 28, the card data which he acquired can be referred to. Since the card case file 28 saves card data according to a reference demand issue former user at this time, he can refer to this card data, without being referred to at other users.

[0061] In order to enable access to the card post file 26 or the card case file 28, when the configuration which displays the display screen which shows what kind of card data are saved at the card post file 26 or the card case file 28 as shown in drawing 15 on a terminal 2 is taken and one card data is clicked from this inside, the reference device 25 will be processed so that data with that detailed card data may be displayed on a terminal 2.

[0062] In the card post file 26 or the card case file 28, the configuration which saves the card data itself copied from the card database 21 may be taken, and as shown in drawing 16 and drawing 17 , as shown in drawing 18 and drawing 19 , to them, the configuration which saves the pointer information to the card data registered into the card database 21 may be taken.

[0063] If the configuration which saves the card data itself like the former is taken, since the card data at the reference time are saved, there is an advantage that the card data at the reference time can be referred to. Since the card data updated will be saved when the configuration which, on the other hand, saves the pointer information to card data like the latter is taken, there is an advantage that the newest card data can be referred to.

[0064] As mentioned above, there are data with which a user can choose public presentation/secret one among the card data. The case where it will, from now on, have the contents of data from which the card data of the user of reference demand issue origin and the card data which the user refers to differ happens.

[0065] In such a case, in order to cope with exchange of the happening unfair card data, the reference device 25 may be replaced with the processing flow of drawing 6 , and the processing flow of drawing 20 may be performed.

[0066] Namely, if the reference device 25 specifies card data with a reference demand when following the processing flow of drawing 20 (it specifies like processing of step 1 of the processing flow of drawing 6), as shown in the processing flow of drawing 20 Acquire the card data which have a reference demand by acquiring the specified card data out of the card data registered into the card database 21 at step 1 first, and at continuing step 2 The card data of the user of reference demand issue origin are acquired out of the card data registered into the card database 21.

[0067] Then, one data is chosen from the card data which have the reference demand specified at step 1 at step 3, and it judges which value the value of the open need for the selected data is at continuing step 4. When the value of open need shows "it is indispensable" according to this decision processing, it progresses to step 7, and it progresses to step 8, and when the user of reference demand issue origin is notified of the data chosen at step 3 and "it is improper" is shown, it processes so that that data may not be notified.

[0068] On the other hand, when the value of open need shows "arbitration", it progresses to step 5, and it progresses to step 8, and when secret is chosen [whether public presentation was chosen by the user and], ** is checked and secret is chosen, it processes so that the data chosen at step 3 may not be notified. On the other hand, when judging that public presentation is chosen, it judges which value it progresses to step 6 and the value of the open need for data that the card data acquired at step 2 correspond is.

[0069] When judging that public presentation is chosen to the data with which the card data acquired at step 2 correspond according to this decision processing Since it was matched with it and both the data of the card data of the user of reference demand issue origin have permitted public presentation, it progresses to step 7 and it is notified to the user of reference demand issue origin that the data chosen at step 3 are data of card data with the reference demand chosen at step 3. On the other hand, when judging that secret is chosen, it progresses to step 8, and it processes so that the data may not be notified.

[0070] And all processings are ended, when progressing to step 9, judging whether it is that selection of all the data that card data have was completed, judging having not ended and judging return and having ended to step 3, after ending processing of step 7/step 8.

[0071] Thus, since the reference device 25 is processed so that the card data of the user of the reference demand issue origin in the data of card data with a reference demand may also notify the user of reference demand issue origin only of that to which public presentation is set when following the processing flow of drawing 20 , exchange of fair card data can be realized.

[0072] Here, although omitted in the processing flow of drawing 20 , when taking this configuration, the configuration whose card data referred to among the data of the card data which the user of reference demand issue origin has

also notify only that to which public presentation is set may be taken also to the user by whom card data were referred to.

[0073] In addition, although the configuration which restricts the contents of a notice according to the open set point was taken in the processing flow of drawing 20, about that from which registration becomes arbitrary, it is also possible in the data of card data to take the configuration which performs notice processing on condition that it is registered by both card data.

[0074] Although this invention was explained according to the illustration example, this invention is not limited to this. For example, although card data were offered the example and this invention was explained in the example, as for this invention, the application is not restricted to offer of card data.

[0075]

[Effect of the Invention] Since User Information which the user who referred to has will be notified to the user referred to when a user refers to User Information which other users have according to this invention, as explained above, communication bidirectional between the sides referred to [that refer to User Information and] can be realized.

[Translation done.]

*** NOTICES ***

Japan Patent Office is not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

- [Drawing 1] It is the principle block diagram of this invention.
[Drawing 2] It is one example of this invention.
[Drawing 3] It is the explanatory view of the card data registered into a card database.
[Drawing 4] It is one example of the processing flow which an authentication device performs.
[Drawing 5] It is one example of the processing flow which a registration device performs.
[Drawing 6] It is one example of the processing flow which a reference device performs.
[Drawing 7] It is the explanatory view of the registration screen of card data.
[Drawing 8] It is the explanatory view of the registration screen of card data.
[Drawing 9] It is the explanatory view of an event group's display screen.
[Drawing 10] It is the explanatory view of an event group's display screen.
[Drawing 11] It is the explanatory view of the retrieval screen of card data.
[Drawing 12] It is the explanatory view of the retrieval result screen of card data.
[Drawing 13] They are other examples of this invention.
[Drawing 14] They are other examples of this invention.
[Drawing 15] It is the explanatory view of the display screen of preservation data.
[Drawing 16] It is the explanatory view of a card post file.
[Drawing 17] It is the explanatory view of a card case file.
[Drawing 18] It is the explanatory view of a card post file.
[Drawing 19] It is the explanatory view of a card case file.
[Drawing 20] It is one example of the processing flow which a reference device performs.

[Description of Notations]

- 1 Electronic Intelligence Offer Equipment
- 2 Terminal
- 3 Network
- 10 Database
- 11 Registration Means
- 12 Transmitting Means
- 13 Retrieval Means
- 14 Notice Means
- 15 Preservation Means
- 16 Limit Means
- 17 Control Means
- 18 Preservation Means

[Translation done.]

* NOTICES *


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DRAWINGS

[Drawing 3]

名刺データベースに登録される名刺データの説明図

	<p>さすらいのおじさん</p> <p>ヒゲオヤジ HIGE-OYAJI</p> <p>こんにちは。ヒゲオヤジという ものです。50の手習いという ことでパソコンなどを始めてみ ました。みなさんからのメール などをお待ちしていますので、 どんどんお寄せください。それ では。</p>
<p>富士山 太郎 (54歳) 男</p> <p>1942年8月15日 東京生まれ 現住所：川崎市 出身校：富士山大学 趣味：読書、園芸、将棋 特技：早寝、早起</p> <p>自己紹介： こんにちは。ヒゲオヤジというものです。50の 手習いということでパソコンなどを始めてみました。 疲れたら（？）の自虐的な生活に飽きがきて、コ ンピュータ社会への参加を目指してパソコンに取り 組んでいます。と言いつつ、実際には、パソコン通信 で競馬の情報を入手したくて、パソコンに取り組んで います。弁護士という作家もどきの仕事で生計を立て ていますが、残り少ない人生の最後の夢は？です。興味 を持った方は連絡下さい。</p>	

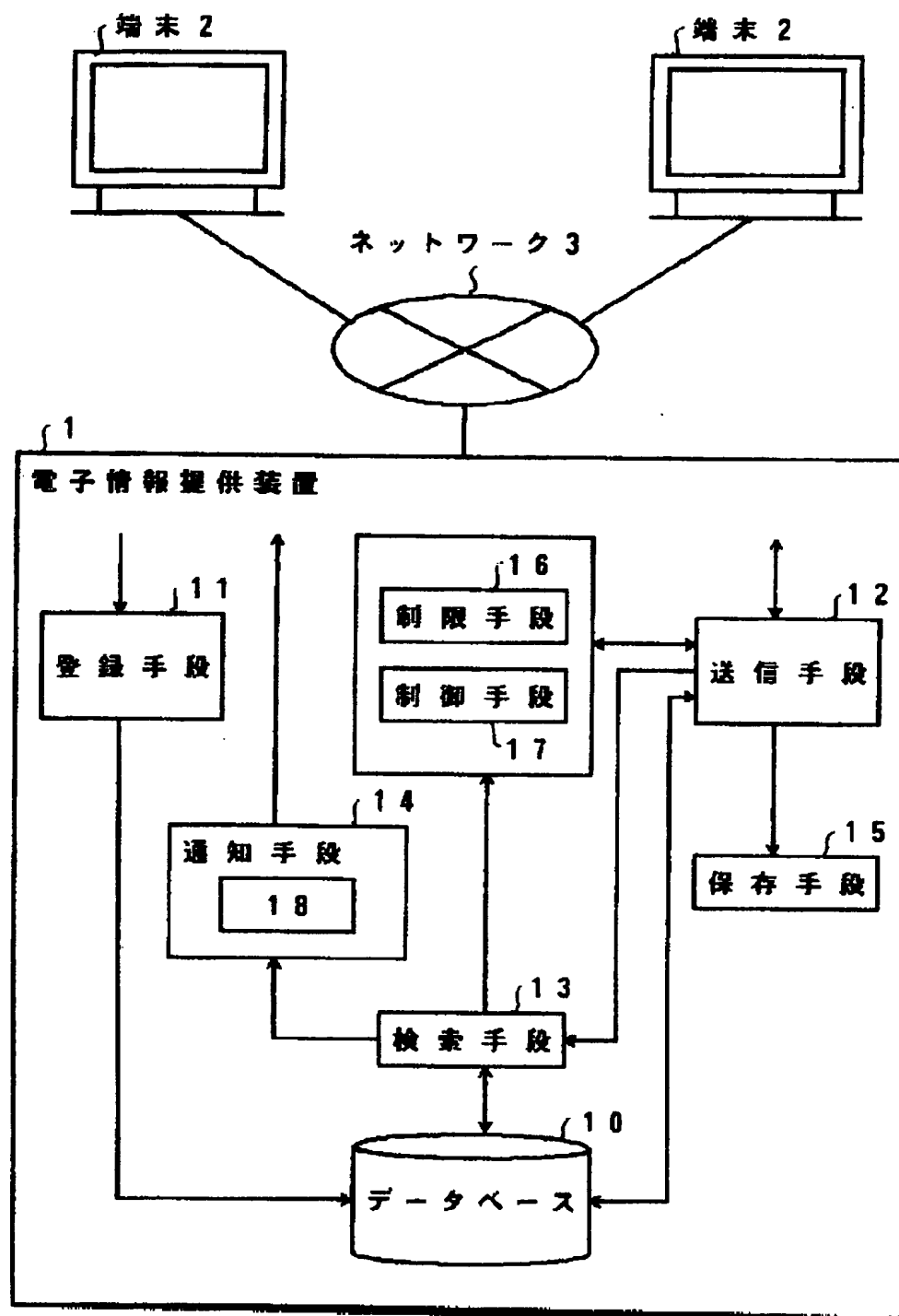
[Drawing 7]

名刺データの登録画面の説明図

ニックネーム											
その読み方（ローマ字）											
肩書き											
コメント (全角で100字以内)											
<div> <div>登録種</div> <table border="1"> <tr> <td></td> <td>パート番号</td> </tr> <tr> <td>愛</td> <td></td> </tr> <tr> <td>目</td> <td></td> </tr> <tr> <td>赤</td> <td></td> </tr> <tr> <td>口</td> <td></td> </tr> </table> </div>		パート番号	愛		目		赤		口		<div>名刺の背景</div> <div></div>
	パート番号										
愛											
目											
赤											
口											

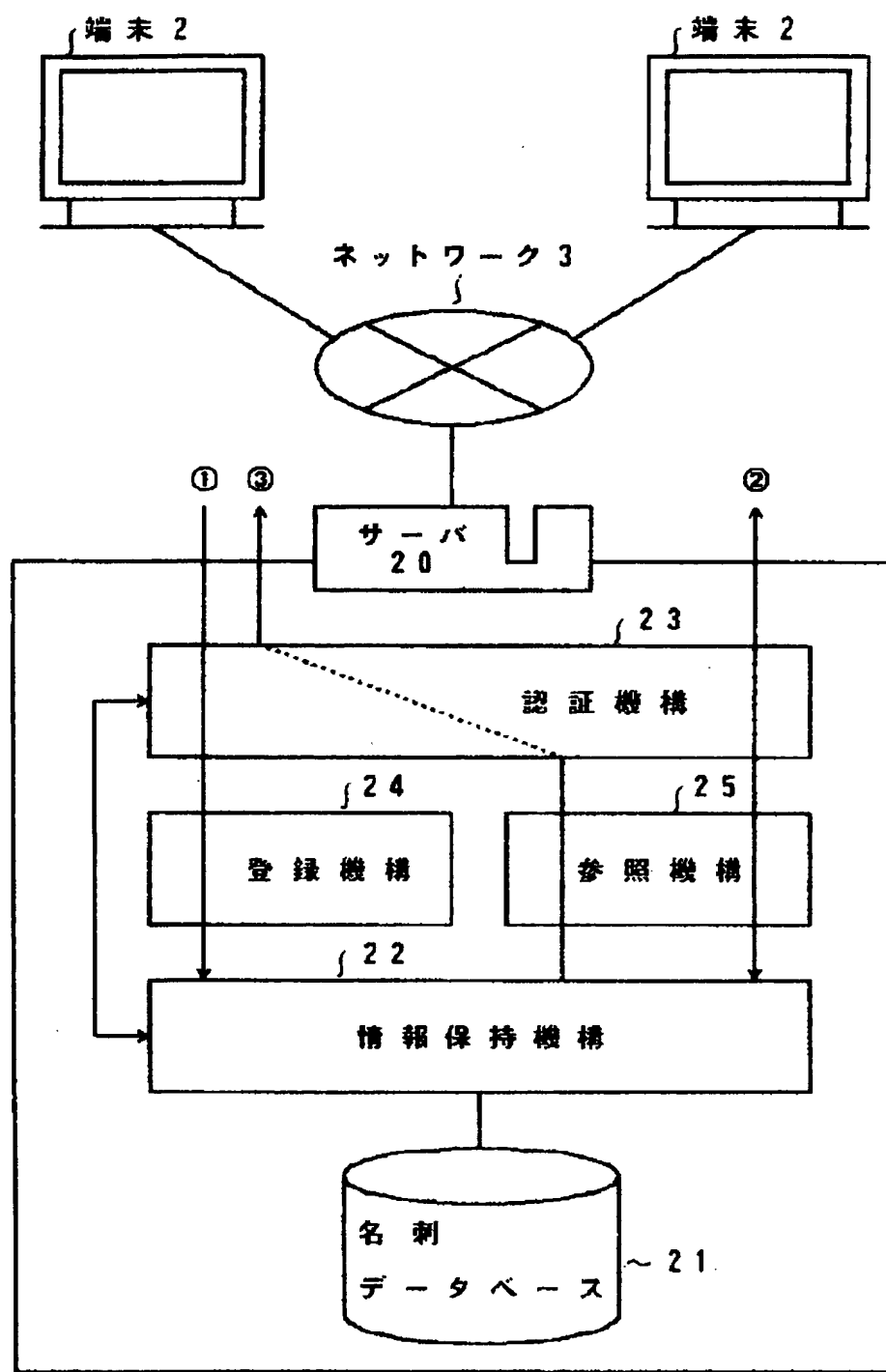
[Drawing 1]

本発明の原理構成図



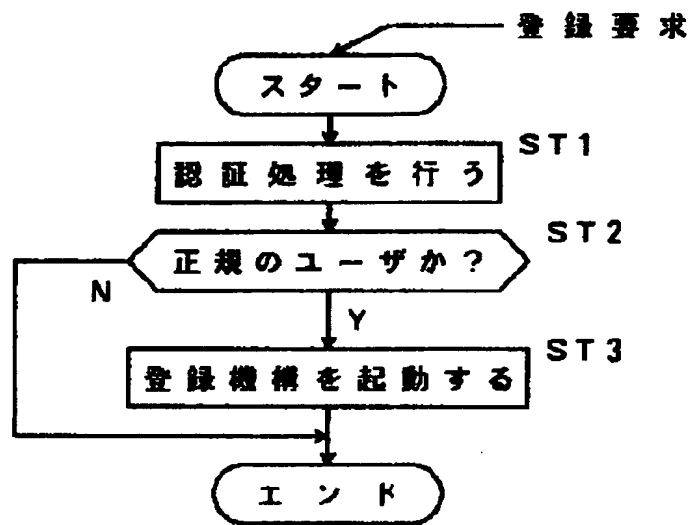
[Drawing 2]

本発明の一実施例

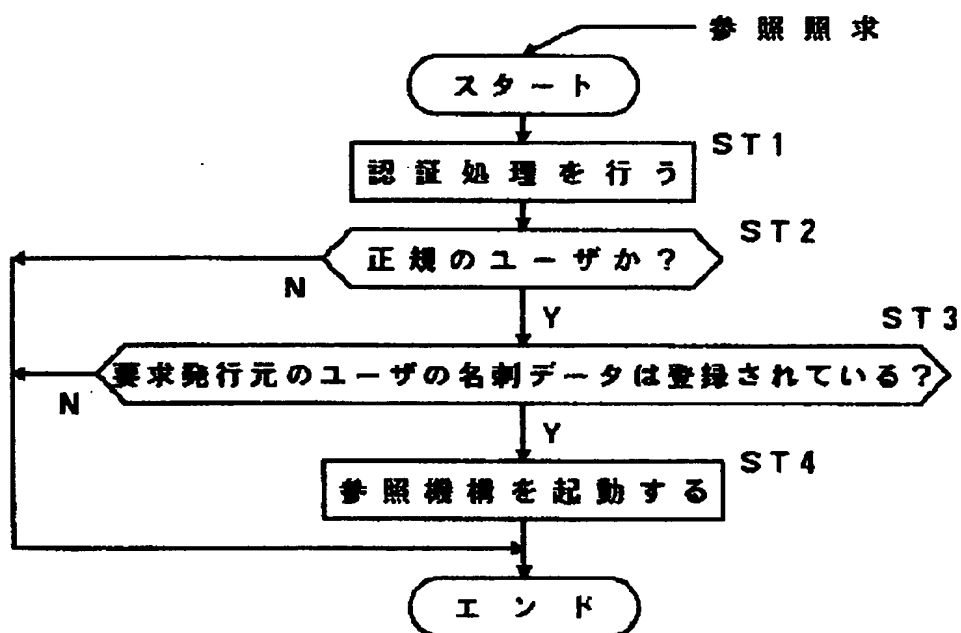


[Drawing 4]

認証機構の実行する処理フローの一実施例



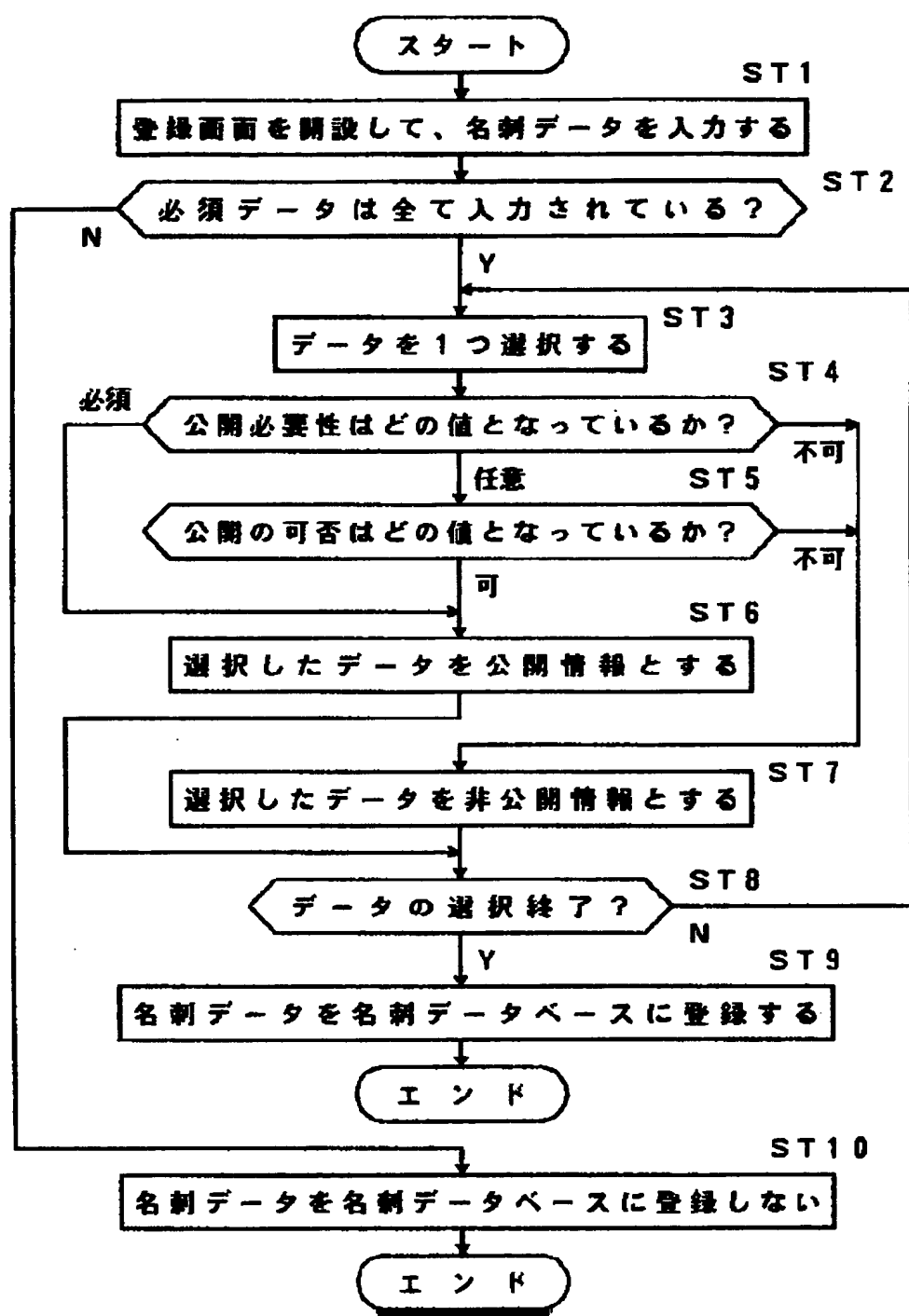
(a)



(b)

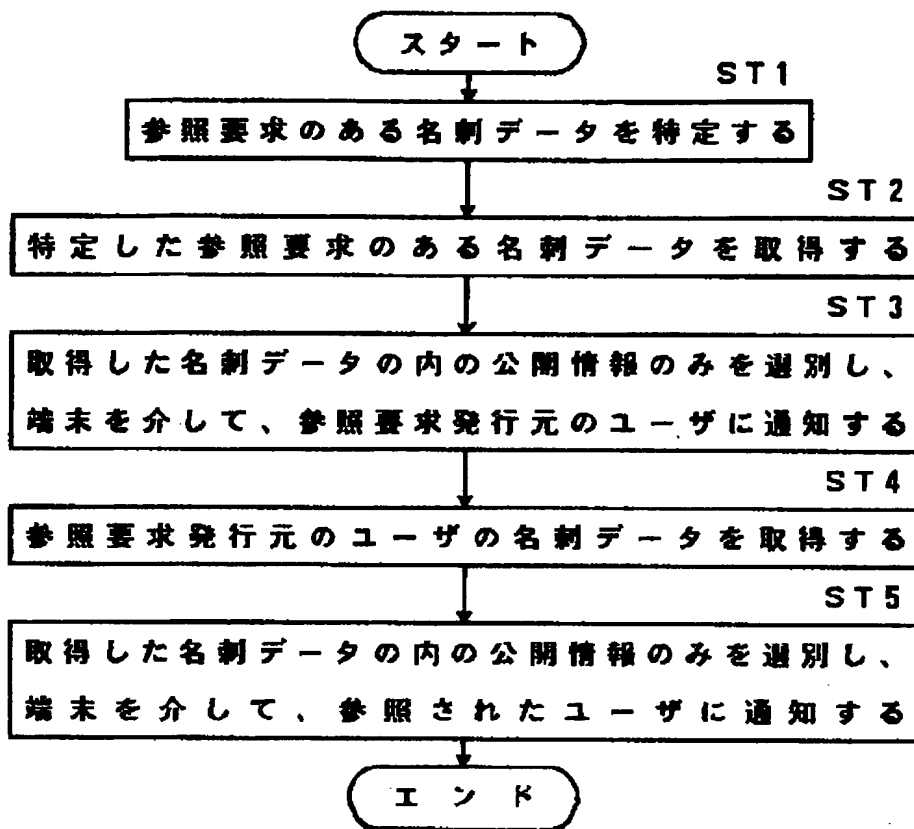
[Drawing 5]

登録機構の実行する処理フローの一実施例



[Drawing 6]

参照機構の実行する処理フローの一実施例



[Drawing 9]

イベントグループのディスプレイ画面の説明図

グループ名	内容	名刺の数
犬が好きな人	犬の好きな人たちのグループです	32
猫が好きな人	猫の好きな人たちのグループです	25
院氏専集中	院のいない女性のグループです	3
彼女専集中	彼女のいない男性のグループです	125
釣り好き	釣り好きな人たちのグループです	85
・	・	・
・	・	・
・	・	・
・	・	・
・	・	・
・	・	・
・	・	・
・	・	・

[Drawing 11]

名刺データの検索画面の説明図

氏名	指定しない
ニックネーム	指定しない
性別	指定しない
年齢	20歳～35歳
血液型	A
メールアドレス	指定しない
ホームページのアドレス	指定しない
出身地	北海道
現住所	東京都
出身校	指定しない
趣味	スキー
特技	指定しない

[Drawing 8]

名刺データの登録画面の説明図

設定ボタン

本名	富士山 太郎		
性別	男		
生年月日	1942年8月15日		
血液型	A		
メールアドレス			
ホームページのアドレス			
出身地	東京都		
現住所	川崎市		
出身校	富士山大学		
趣味	競馬	囲碁	
	将棋		
特技	早寝、早起		
自己紹介 (全角で200字以内)			

[Drawing 10]

イベントグループのディスプレイ画面の説明図

ニックネーム	ひとこと	性別
タモリ倶楽部	グレイハウンドの通量なら直かせてください	女
トップブリーダー	ドーベルマンの馬鹿なところが好き	男
たかはしっす	狼犬（オス、1歳）の飼い主です よろしく！	女
ペディグリー 山本	毛にツヤを出したいなら俺とこに こい	男
・ ・ ・ ・ ・ ・ ・ ・ ・ ・	・ ・ ・ ・ ・ ・ ・ ・ ・ ・	・ ・ ・ ・ ・ ・ ・ ・ ・ ・

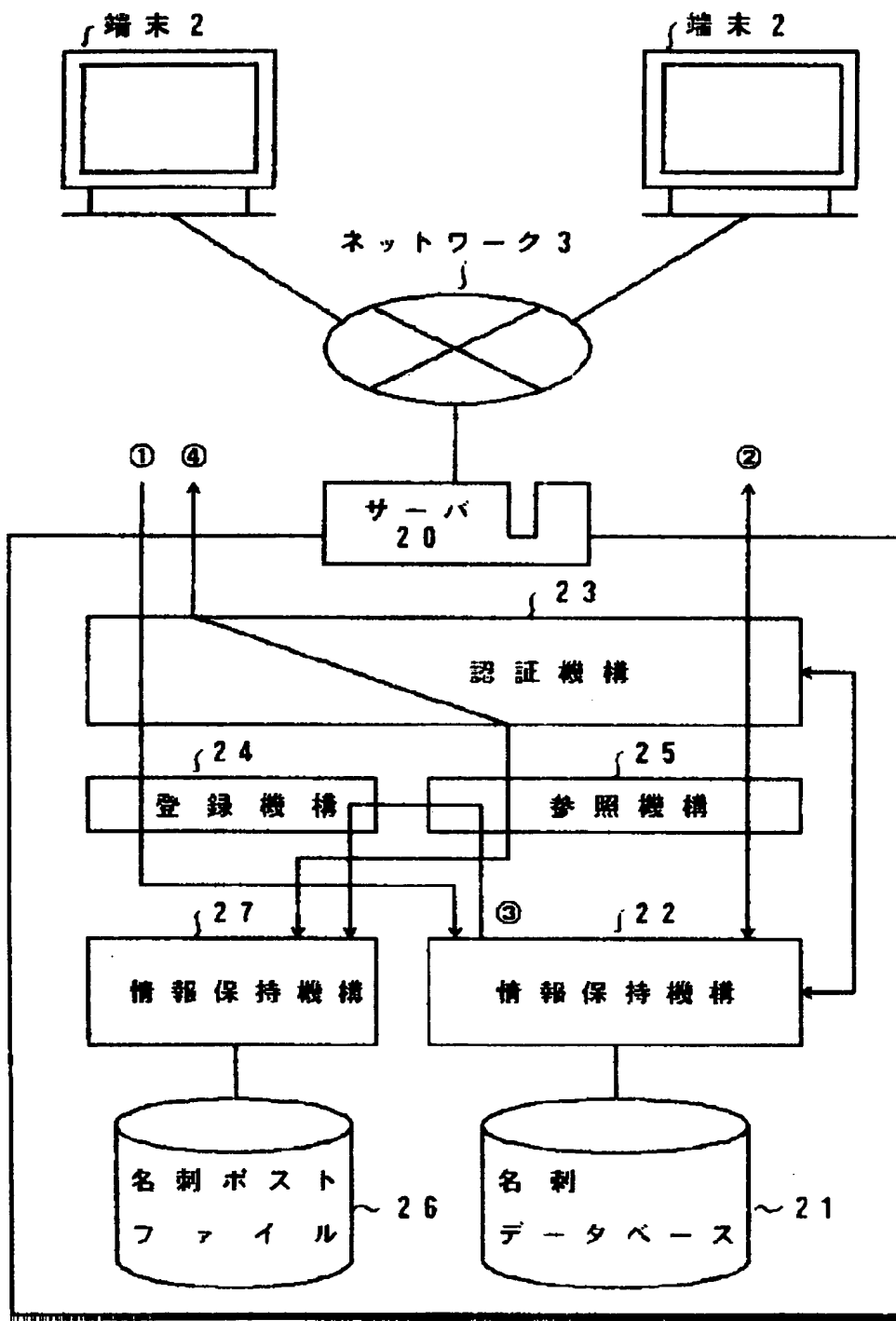
[Drawing 12]

名刺データの検索結果画面の説明図

ニックネーム	性別	年齢	更新日付
天下太平	男	22	98.12.12
うのっち	女	23	98.10.21
しんたろう	男	29	98.11.09
かねだ	男	13	98.12.18
おさやん	男	33	98.11.27
おすもうさん	男	27	98.12.03
バリジェンヌ	女	26	98.12.17

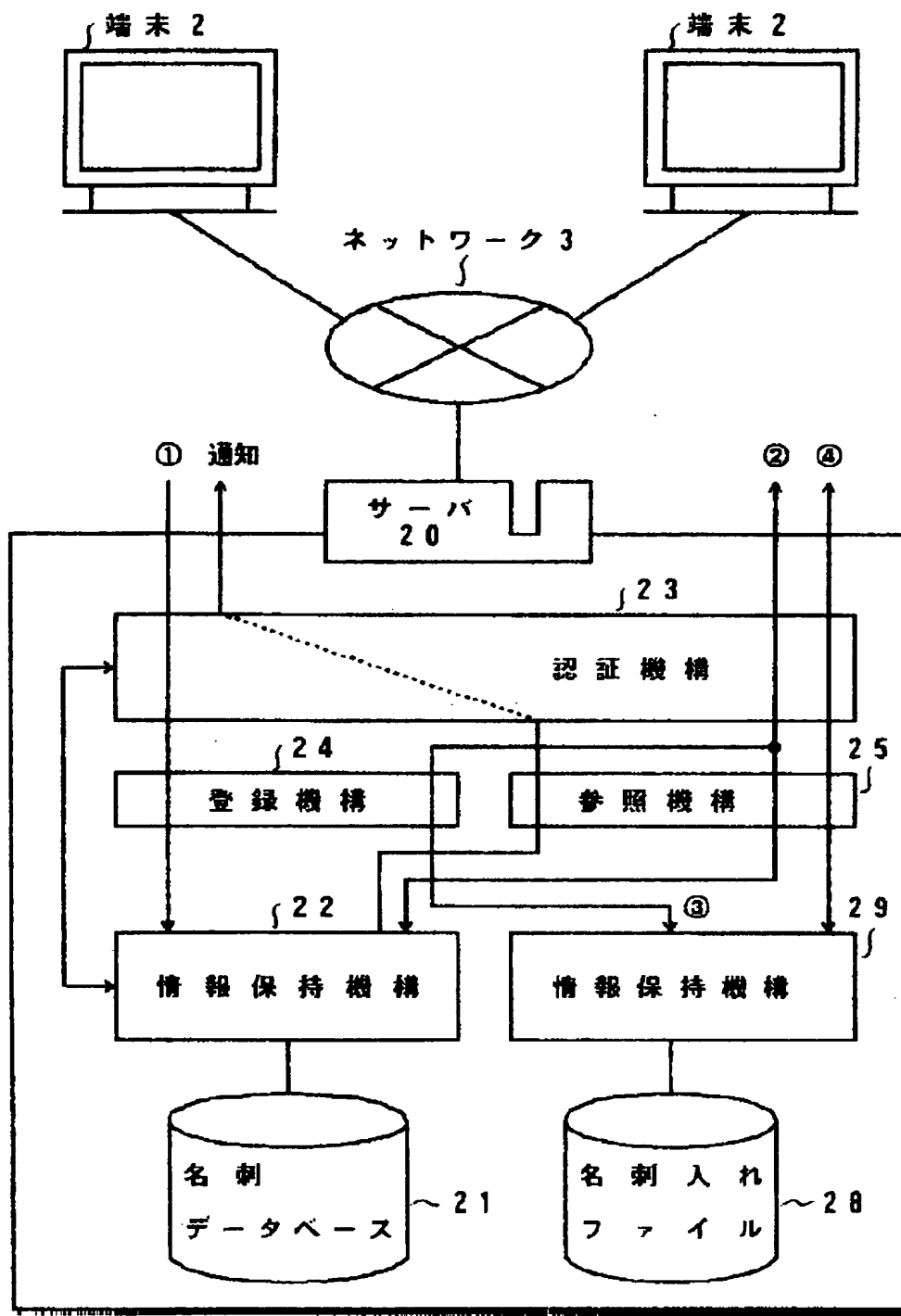
[Drawing 13]

本発明の他の実施例



[Drawing 14]

本発明の他の実施例



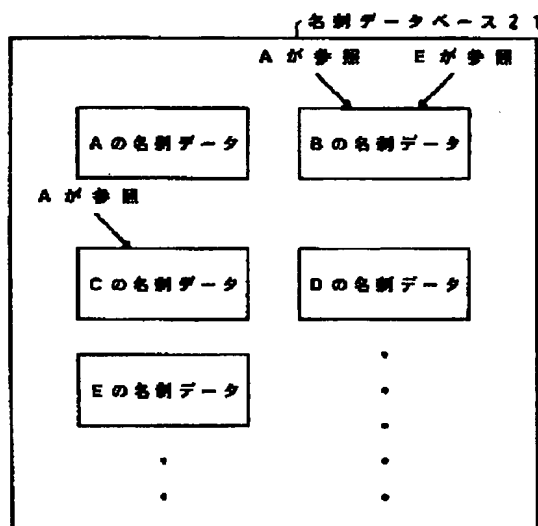
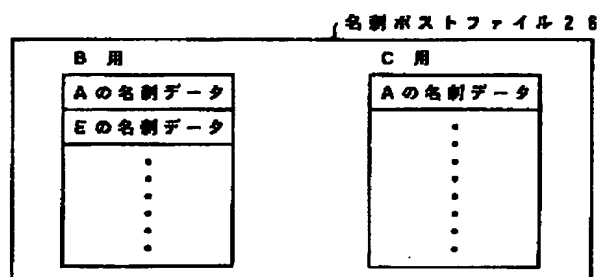
[Drawing 15]

保存データのディスプレイ画面の説明

ニックネーム	本名	性別	年齢	更新日付	削除
いちろ	鈴木 大次郎	男	27	98.12.17	X
にじろ	佐々木 一郎	男	31	98.11.25	X
にーすけ	佐藤 幸助	男	17	98.10.13	X
いっぺい	石田 一平	男	22	98.12.22	X
じんぶん	武田 大作	男	34	98.12.07	X
くろすけ	大石 進	男	26	98.12.09	X
じろすけ	山本 大次郎	男	28	98.12.25	X

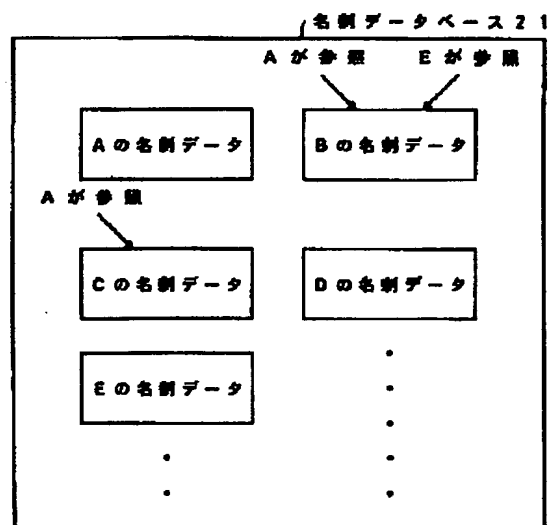
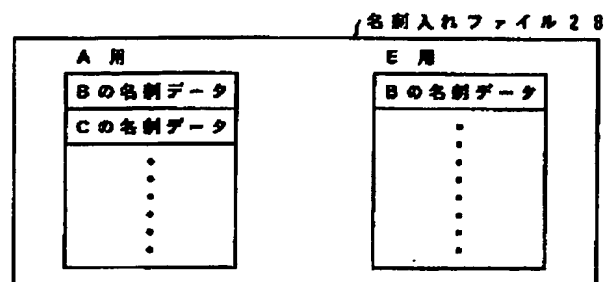
[Drawing 16]

名刺ポストファイルの説明図



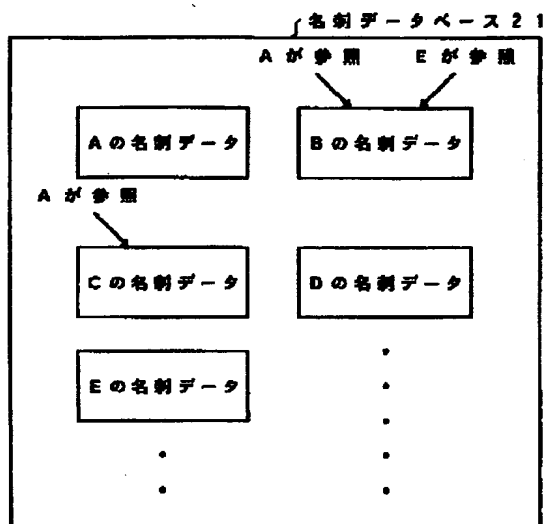
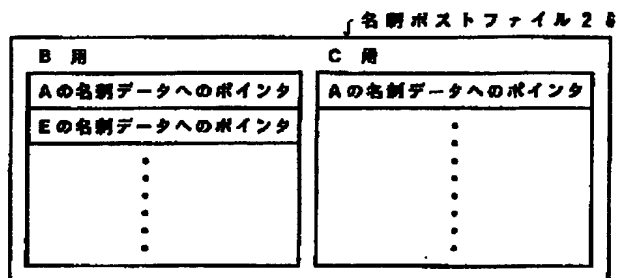
[Drawing 17]

名刺入れファイルの説明図



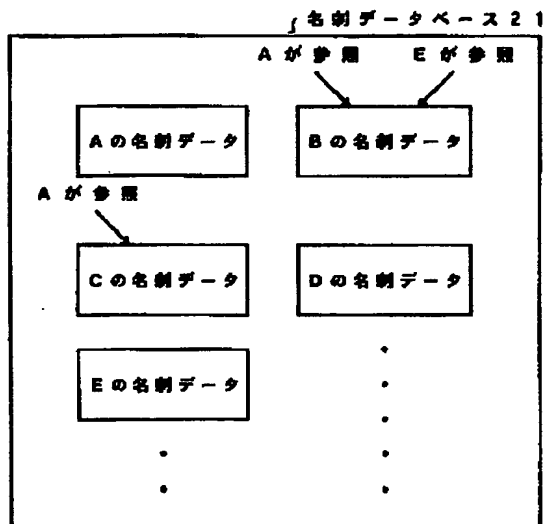
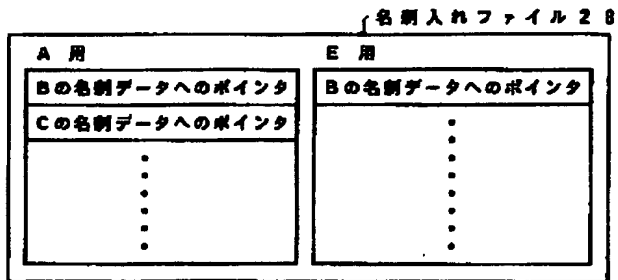
[Drawing 18]

名刺ポストファイルの説明図



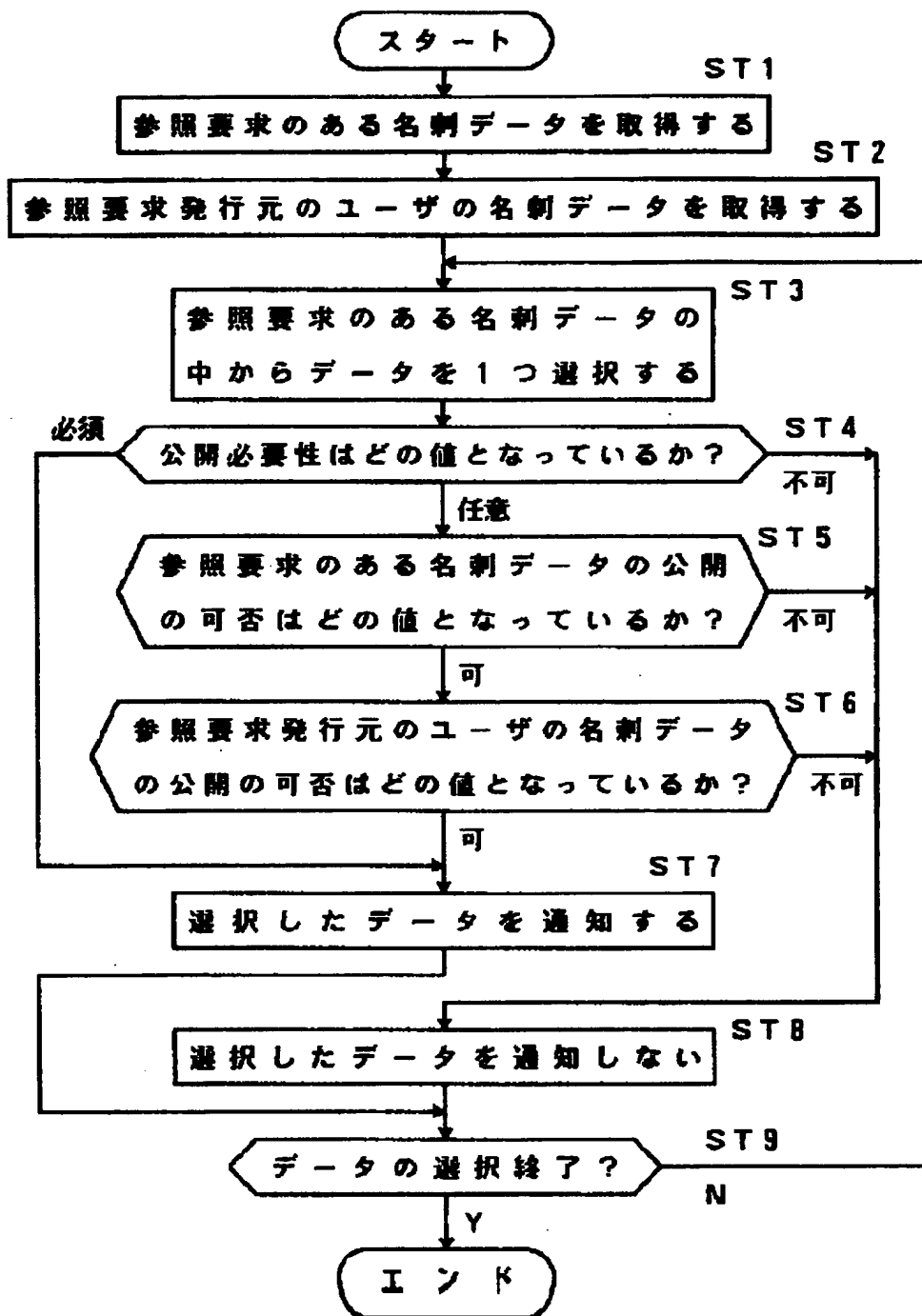
[Drawing 19]

名刺入れファイルの説明図



[Drawing 20]

参照機構の実行する処理フローの一実施例



[Translation done.]